

WHAT IS CLAIMED IS:

Sub a1

1. A golf ball comprising a core and a cover covering the core, wherein the cover comprises polyurethane-based thermoplastic elastomer formed by using cycloaliphatic diisocyanate as a base resin.

2. The golf ball according to Claim 1, wherein the core is formed from rubber composition comprising cis-1,4-polybutadiene and has a deformation amount of 2.5 to 4.5 mm, when applying from an initial load of 98 N to a final load of 1275 N on the core, and the golf ball has a deformation amount of 2.4 to 4.0 mm, when applying from an initial load of 98 N to a final load of 1275 N on the golf ball.

3. The golf ball according to Claim 1, wherein the cycloaliphatic diisocyanate is at least one selected from the group consisting of 4,4'-dicyclohexylmethane diisocyanate, 1,3-bis(isocyanatomethyl)cyclohexane, isophorone diisocyanate, and trans-1,4-cyclohexane diisocyanate.

add a2